

What is Claimed is:

1. A texture coding label for certifying authenticity of a commodity, having at least a fabric texture portion and a two-dimensional bar code portion, wherein said fabric texture portion has a plurality of fiber threads randomly distributed therewithin to form a fiber image, wherein a two-dimensional bar code which is stored
5 said two-dimensional bar code portion and is a combination of said fiber image and a serial number of said commodity through a first predetermined algorithm.

2. The texture coding label, as recited in claim 1, wherein said fiber threads are transparent under nature light and emit visible lights under a radiation of light at
10 certain wavelength.

3. The texture coding label, as recited in claim 3, wherein said radiation of light at certain wavelength is selected from a group consisting of ultraviolet light and infrared light.

4. The texture coding label, as recited in claim 1, wherein said fiber threads
15 are pieces of colored fiber threads.

5. The texture coding label, as in claim 2 or 4, wherein visible light from said fiber threads is selected from a group consisting of red, blue and orange.

6. The texture coding label, as in claim 2 or 4, further comprising an anti-forgery watermark.

20 7. The texture coding label, as recited in claim 6, further having a displaying portion including a plurality of visible data generated by two-dimensional bar code in said two-dimensional bar code portion through a second predetermined algorithm.

8. The texture coding label, as recited in claim 7, further having a smooth surface and an opposed mat surface, wherein said mat surface has an adhesive ability for
25 adhering on a surface of said commodity so as to attach said texture coding label on said commodity.

9. The texture coding label, as recited in claim 1, further having an adhesive ability for adhering on a surface of said commodity so as to attach said texture coding label on said commodity.

10. The texture coding label, as recited in claim 1, wherein said two-
5 dimensional bar code portion is overlapped on said fabric texture portion.